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(
                        (Unit Hydrograph)
     Kuichling
                                                (Rational Formula)
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                                                           Sherman
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                               (
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                                        . ( )
                                                            (snyder)
Chow, V.T., Maidment, D.R. Mays, L.W. , " Applied Hydrology " , Mc Graw Hill ^{(\ )}
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Book Company, New York, (1988), p. 572.

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Brune M.; Dooge, H.C.I., "An Efficient and Robust Method for Estimating Unit Hydrograph Ordinates", Journal of Hydrology, (1984), Vol. 70, p.p. 1-24.

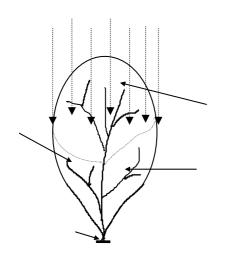
Turner, J.E.; Dooge, J.C.I.; Bree, T., "Deriving the Unit Hydrograph by Root Selection", Journal of Hydrology, (1989), Vol. 110, p.p. 137-152.

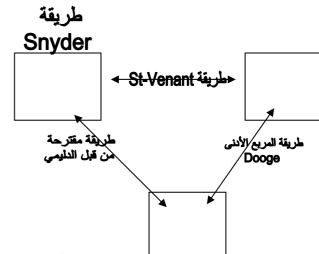
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طريقة انتقاء الجنور العادية (Turner) والمعدلة من قبل (الدليمي)

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(Turner, Dooge, Bree)

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(Black – Box System ) . (Dooge)

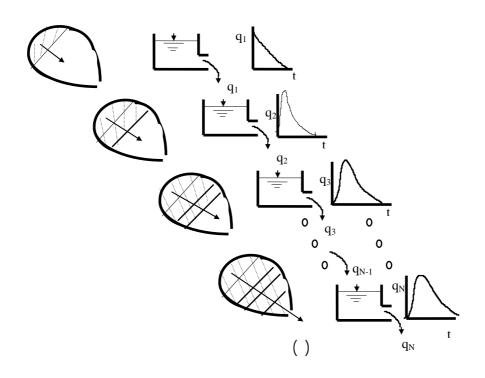
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(Conceptual model )
. (O'Conner)
                                  (Nash)
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7- Brune M.; Dooge, H. C. I., "An Efficient and Robust Method for Estimating Unit Hydrograph Ordinates", Journal of Hydrology, (1984), Vol. 70, p.p. 1-24.

- 8- Chow, V. T., Maidment, D. R. Mays, L. W., "Applied Hydrology", Mc Mraw Hill Book Company, New York, (1988), p. 572.
- 9- Delain, R. J., "Deriving the Unit Hydrograph Without Using Rainfall Data", Journal of Hydrology, (1970), Vol. 10, p. p. 379-390.
- 10- Dooge, J. C. I., "Deterministic input output models", Academic press, London, (1979).
- 11- Nash, J. E.," Systematic determination of unit hydrograph parameters", J. Geophys Bes., (1959), 64 (1): 111-115.
- 12- Turner, J. E.; Dooge, J. C. I., Bree, T., "Deriving the Unit Hydrograph by Root Selection", Journal of Hydrology, (1989), Vol. (110), p. p. 137-152.